

L Number	Hits	Search Text	DB	Time stamp
1	139	bellows and diaper	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/05/20 16:33
2	25583	bellows and valve	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/05/20 16:10
3	1148	diaper and valve	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/05/20 16:10
4	478	diaper and (air same valve)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/05/20 16:25
5	8	dryness adj index	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/05/20 16:25
6	17	pump same valve same diaper	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/05/20 16:35
7	4	bellows same valve same diaper	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/05/20 16:35
8	110	air same circulat\$ same diaper	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/05/20 16:46
9	2437	seitz.in.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/05/20 16:46
10	8	seitz-bret-darren.in.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/05/20 16:50
11	1		USPAT	2003/05/20 16:47
12	1		USPAT	2003/05/20 16:48
13	1		USPAT	2003/05/20 16:48
14	1		USPAT	2003/05/20 16:48
15	1		USPAT	2003/05/20 16:48
16	50	diaper and (air adj exchange)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/05/20 16:51

DERWENT-ACC-NO: 1998-044124

DERWENT-WEEK: 200325

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TITLE: Disposable absorbent article - has  
odour control system, and absorbent core positioned  
intermediate liquid pervious top-sheet and breathable  
back-sheet

INVENTOR: BEWICK-SONNTAG, C P; CARLUCCI, G ; CINTIO, A D ;  
CIMINI, C ; DI  
CINTIO, A ; DE CINTIO, A ; CINTIO, A

PATENT-ASSIGNEE: PROCTER & GAMBLE CO[PROC] ,  
BEWICK-SONNTAG C P[BEWII],  
CARLUCCI G[CARLI], CINTIO A D[CINTI]

PRIORITY-DATA: 1996EP-0830343 (June 17, 1996) ,  
1997TW-0118460 (December 8,  
1997) , 1998JP-0503102 (June 17, 1997)

PATENT-FAMILY:

PUB-NO	PAGES	PUB-DATE	
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000	A61F	013/15	
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024	A61F	013/15	
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048	A61F	000/00	
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TW 355682 A	April 11, 1999	N/A
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BR 9709820 A	August 10, 1999	N/A
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BR 9709826 A	August 10, 1999	N/A
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KR 2000016759 A	March 25, 2000	N/A
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KR 2000016760 A	March 25, 2000	N/A
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CZ 287503 B6	December 13, 2000	N/A
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AU 729073 B	January 25, 2001	N/A
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JP 2002503979 W	February 5, 2002	N/A
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DESIGNATED-STATES: AT BE CH DE DK ES FR GB GR IE IT LI LU  
 NL PT SE AL AM AT AU  
 AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH HU  
 IL IS JP KE KG KP  
 KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO  
 RU SD SE SG SI SK  
 SL TJ TM TR TT UA UG US UZ VN YU EA GH KE LS MW OA SD SZ UG  
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 SD SE SG SI SK SL  
 TJ TM TR TT UA UG US UZ VN YU EA GH KE LS MW OA SD SZ UG ZW

APPLICATION-DATA:

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APPL-DATE		
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1996EP-0112404	August 1, 1996	
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AU 9733847A	N/A	
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AU 9733847A	Based on	WO 9748360
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AU 9734928A	N/A	
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ZA 9705342A	N/A	
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CZ 9804092A3	N/A	
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CZ 9804092A3	Based on	WO 9748362
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CZ 287504B6	Previous Publ.	CZ 9804092
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INT-CL (IPC): A61F000/00, A61F005/441 , A61F013/15 ,  
A61F013/20 ,  
A61F013/472 , A61F013/49 , A61F013/514 , A61L015/42

RELATED-ACC-NO: 1998-044125

ABSTRACTED-PUB-NO: EP 813848A

BASIC-ABSTRACT:

The disposable absorbent article comprises a liquid pervious topsheet, an absorbent core, a breathable back-sheet, and an odour control system. The absorbent core is positioned intermediate the topsheet and the back-sheet. The topsheet, core and back-sheet each comprises at least one layer. The topsheet has a liquid retention of less than 0.22g for a 2.0g load in the topsheet liquid retention test.

The core has a caliper of less than 12mm and has a vapour permeability of at least 200g/m<sup>2</sup>/24hrs as defined in the vapour permeability test. The breathable back-sheet has a liquid permeability of less than 0.3g at a 7ml load as defined in the liquid permeability test. The elements are joined such that the absorbent article has a dryness index of greater than 0.5 and a sensory index of greater than 50.

ADVANTAGE - Is breathable and provides the desired level of protection.  
Reduces and perfectly prevents the detection of odorous compounds emanating from it in use.

ABSTRACTED-PUB-NO: US 6417424B

EQUIVALENT-ABSTRACTS:

The disposable absorbent article comprises a liquid



pervious topsheet, an absorbent core, a breathable back-sheet, and an odour control system. The absorbent core is positioned intermediate the topsheet and the back-sheet. The topsheet, core and back-sheet each comprises at least one layer. The topsheet has a liquid retention of less than 0.22g for a 2.0g load in the topsheet liquid retention test.

The core has a caliper of less than 12mm and has a vapour permeability of at least 200g/m<sup>2</sup>/24hrs as defined in the vapour permeability test. The breathable back-sheet has a liquid permeability of less than 0.3g at a 7ml load as defined in the liquid permeability test. The elements are joined such that the absorbent article has a dryness index of greater than 0.5 and a sensory index of greater than 50.

ADVANTAGE - Is breathable and provides the desired level of protection. Reduces and perfectly prevents the detection of odorous compounds emanating from it in use.

US20020128624A

The disposable absorbent article comprises a liquid pervious topsheet, an absorbent core, a breathable back-sheet, and an odour control system. The absorbent core is positioned intermediate the topsheet and the back-sheet. The topsheet, core and back-sheet each comprises at least one layer. The topsheet has a liquid retention of less than 0.22g for a 2.0g load in the topsheet liquid retention test.

The core has a caliper of less than 12mm and has a vapour permeability of at least 200g/m<sup>2</sup>/24hrs as defined in the vapour permeability test. The breathable back-sheet has a liquid permeability of less than 0.3g at a

7ml load as defined  
in the liquid permeability test. The elements are joined  
such that the  
absorbent article has a dryness index of greater than 0.5  
and a sensory index  
of greater than 50.

ADVANTAGE - Is breathable and provides the desired level of  
protection.

Reduces and perfectly prevents the detection of odorous  
compounds emanating  
from it in use.

CHOSEN-DRAWING: Dwg.0

DERWENT-CLASS: P32 P34